

## SEARCH REQUEST FORM

## Scientific and Technical Information Center

Requester's Full Name: Naoko Slack Examiner #: 78364 Date: 10/3/03  
 Art Unit: 3635 Phone Number 305-0315 Serial Number: 10/010499  
 Mail Box and Bldg/Room Location: 6B19 Results Format Preferred (circle): PAPER DISK E-MAIL  
Any

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or 'utility' of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

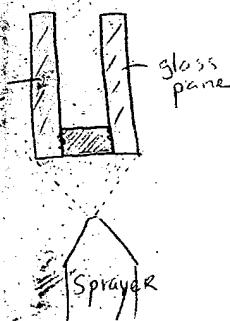
Title of Invention: Methods & Devices For Manufacturing Insulating Glass Units

Inventors (please provide full names): Trpkovski, Paul

Earliest Priority Filing Date: 12/03/2001

\*For Sequence Searches Only: Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Methods of coating the edges of window glass in double-pane windows



Method I spraying the edges of the glass panes simultaneously.

Method II: spraying the edges of the glass panes, one at a time.

52/171.3  
e06b-007?  
427/165 427/110 156/107  
105d-005? b32b-017?  
" - 031?  
(03c-027?

BEST AVAILABLE COPY

## STAFF USE ONLY

Searcher: Gibbs, Sally  
 Searcher Phone #: 305-5967  
 Searcher Location: STL 3600  
 Date Searcher Picked Up: 10/3/03  
 Date Compiled: 10/6/03  
 Searcher Prep & Review Time: \_\_\_\_\_  
 Clerical Prep Time: \_\_\_\_\_  
 Online Time: \_\_\_\_\_

## Type of Search

NA Sequence (#) \_\_\_\_\_  
 AA Sequence (#) \_\_\_\_\_  
 Structure (#) \_\_\_\_\_  
 Bibliographic \_\_\_\_\_  
 Litigation \_\_\_\_\_  
 Fulltext \_\_\_\_\_  
 Patent Family \_\_\_\_\_  
 Other \_\_\_\_\_  
 Vendors and cost where applicable  
 STN \_\_\_\_\_  
 Dialog \_\_\_\_\_  
 Questel/Orbit \_\_\_\_\_  
 Dr. Link \_\_\_\_\_  
 Lexis/Nexis \_\_\_\_\_  
 Sequence Systems \_\_\_\_\_  
 WWW/Internet \_\_\_\_\_  
 Other (specify) \_\_\_\_\_



# STIC Search Report

EIC 3600

STIC Database Tracking Number: 105329

TO: Naoko Slack  
Location: Pk. 5, 6B19  
Art Unit: 3635  
Monday, October 06, 2003

Case Serial Number: 10/010499

From: Caryn Wesner-Early  
Location: EIC 3600  
PK5-Suite 804  
Phone: 306-5967

caryn.wesner@uspto.gov

## Search Notes

If a modification or re-focus of this search is needed, please let me know.

Caryn S. Wesner-Early, MSL  
Technical Information Specialist  
EIC 3600, US Patent & Trademark Office  
Phone: (703) 306-5967  
Fax: (703) 306-5758  
caryn.wesner@uspto.gov

?show files;ds  
File 348:EUROPEAN PATENTS 1978-2003/Sep W04  
    (c) 2003 European Patent Office  
File 349:PCT FULLTEXT 1979-2002/UB=20031002, UT=20030925  
    (c) 2003 WIPO/Univentio  
File 347:JAPIO Oct 1976-2003/May(Updated 030902)  
    (c) 2003 JPO & JAPIO  
File 351:Derwent WPI 1963-2003/UD,UM &UP=200362  
    (c) 2003 Thomson Derwent  
File 371:French Patents 1961-2002/BOPI 200209  
    (c) 2002 INPI. All rts. reserv.  
File 179:Architecture DB 1987-2003/Jul  
    (c) 2003 Royal Inst. of Brit. Architects  
File 35:Dissertation Abs Online 1861-2003/Sep  
    (c) 2003 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2003/Oct W1  
    (c) 2003 BLDSC all rts. reserv.  
File 8:Ei Compendex(R) 1970-2003/Sep W4  
    (c) 2003 Elsevier Eng. Info. Inc.  
File 96:FLUIDEX 1972-2003/Sep  
    (c) 2003 Elsevier Science Ltd.  
File 118:ICONDA-Intl Construction 1976-2003/Sep  
    (c) 2003 Fraunhofer-IRB  
File 94:JICST-EPlus 1985-2003/Sep W4  
    (c) 2003 Japan Science and Tech Corp(JST)  
File 6:NTIS 1964-2003/Oct W1  
    (c) 2003 NTIS, Intl Cpyrght All Rights Res  
File 144:Pascal 1973-2003/Sep W4  
    (c) 2003 INIST/CNRS  
File 323:RAPRA Rubber & Plastics 1972-2003/Sep  
    (c) 2003 RAPRA Technology Ltd  
File 34:SciSearch(R) Cited Ref Sci 1990-2003/Sep W4  
    (c) 2003 Inst for Sci Info  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
    (c) 1998 Inst for Sci Info  
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Aug  
    (c) 2003 The HW Wilson Co.  
File 399:CA SEARCH(R) 1967-2003/UD=13914  
    (c) 2003 American Chemical Society  
File 31:World Surface Coatings Abs 1976-2003/Sep  
    (c) 2003 Paint Research Assn.  
File 111:TGG Natl.Newspaper Index(SM) 1979-2003/Oct 02  
    (c) 2003 The Gale Group  
File 9:Business & Industry(R) Jul/1994-2003/Oct 03  
    (c) 2003 Resp. DB Svcs.  
File 990:NewsRoom Current 2003/Oct 05  
    (c) 2003 The Dialog Corp.  
File 47:Gale Group Magazine DB(TM) 1959-2003/Oct 03  
    (c) 2003 The Gale group  
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Oct 06  
    (c) 2003 The Gale Group  
File 636:Gale Group Newsletter DB(TM) 1987-2003/Oct 03  
    (c) 2003 The Gale Group  
File 148:Gale Group Trade & Industry DB 1976-2003/Oct 06  
    (c) 2003 The Gale Group  
File 624:McGraw-Hill Publications 1985-2003/Oct 03  
    (c) 2003 McGraw-Hill Co. Inc  
File 369:New Scientist 1994-2003/Sep W4  
    (c) 2003 Reed Business Information Ltd.  
File 483:Newspaper Abs Daily 1986-2003/Oct 03  
    (c) 2003 ProQuest Info&Learning  
File 484:Periodical Abs Plustext 1986-2003/Sep W4  
    (c) 2003 ProQuest  
File 141:Readers Guide 1983-2003/Aug  
    (c) 2003 The HW Wilson Co

File 370:Science 1996-1999/Jul W3  
(c) 1999 AAAS

File 95:TEME-Technology & Management 1989-2003/Sep W2  
(c) 2003 FIZ TECHNIK

Set	Items	Description
S1	44	AU='TRPKOVSKI P':AU='TRPKOVSKI PAUL'
S2	1	AU='TRPKOVSKI, PAUL'
S3	30	AU='TRPKOVSKI'
S4	45	S1 OR S2 OR S3
S5	44	S4 FROM 348, 349, 347, 351, 371
S6	1	S4 NOT S5
S7	87914	IC=(B05D-005? OR B32B-017? OR B32B-031? OR C03C-027?)
S8	9	S5 AND S7
S9	9	IDPAT (sorted in duplicate/non-duplicate order)
S10	7	IDPAT (primary/non-duplicate records only)
S11	8	S6 OR S10

11/3,K/1 . (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

01614831

METHODS AND DEVICES FOR MANUFACTURING INSULATING GLASS UNITS  
VERFAHREN UND VORRICHTUNGEN ZUM HERSTELLEN VON ISOLIERVERGLASUNGSEINHEITEN  
PROCEDE ET DISPOSITIFS DE FABRICATION D'UNITES DE VITRAGE ISOLANT

PATENT ASSIGNEE:

CARDINAL IG COMPANY, (861333), Suite 200, 775 Prairie Center Drive,,  
Minnetonka, MN 55344, (US), (Applicant designated States: all)

INVENTOR:

TRPKOVSKI , Paul, S7845 Highland Road, Loganville, WI 53943, (US  
PATENT (CC, No, Kind, Date): WO 2003048495 030612

APPLICATION (CC, No, Date): EP 2002791313 021125; WO 2002US37826 021125

PRIORITY (CC, No, Date): US 10499 011203

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
IE; IT; LU; MC; NL; PT

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: E06B-003/673; B05D-005/00

LANGUAGE (Publication,Procedural,Application): English; English; English

INVENTOR:

TRPKOVSKI , Paul...  
...INTERNATIONAL PATENT CLASS: B05D-005/00

11/3,K/2 (Item 1 from file: 351)

DIALOG(R)File 351:Derwent WPI  
(c) 2003 Thomson Derwent. All rts. reserv.

015554410 \*\*Image available\*\*

WPI Acc No: 2003-616565/200358

XRAM Acc No: C03-168162

XRPX Acc No: N03-490982

Fabrication of insulating glass assembly, involves shielding portion of first face of second pane, shielding portion of second face of first pane, and applying deposit forming material to portion of periphery of first pane

Patent Assignee: CARDINAL GLASS IND INC (CARD-N); TRPKOVSKI P (TRPK-I);  
CARDINAL IG CO (CARD-N)

Inventor: TRPKOVSKI P

Number of Countries: 100 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030101664	A1	20030605	US 200110499	A	20011203	200358 B
JP 2003166380	A	20030613	JP 2002147841	A	20020522	200358
WO 200348495	A1	20030612	WO 2002US37826	A	20021125	200358

Priority Applications (No Type Date): US 200110499 A 20011203

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20030101664 A1 37 E06B-007/00

JP 2003166380 A 20 E06B-003/66

WO 200348495 A1 E E06B-003/673

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU  
ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL TZ UG ZM ZW

Inventor: TRPKOVSKI P

11/3,K/3 (Item 2 from file: 351)

DIALOG(R) File 351:Derwent WPI  
(c) 2003 Thomson Derwent. All rts. reserv.

015417947 \*\*Image available\*\*

WPI Acc No: 2003-480087/200345

XRPX Acc No: N03-381616

Connector key for use in windows and doors to join ends of tubular spacers has transverse channels in which bands of sealant are formed by sealant injected into left and right through holes

Patent Assignee: CARDINAL GLASS IND. INC (CARD-N); TRPKOVSKI P (TRPK-I);  
ZURN B J (ZURN-I); CARDINAL IG CO (CARD-N)

Inventor: TRPKOVSKI P ; ZURN B J

Number of Countries: 100 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030059253	A1	20030327	US 2001961622	A	20010924	200345 B
WO 200329594	A1	20030410	WO 2002US29947	A	20020920	200345
JP 2003165750	A	20030610	JP 2001391721	A	20011225	200347

Priority Applications (No Type Date): US 2001961622 A 20010924

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20030059253 A1 13 F16B-007/00

WO 200329594 A1 E E06B-003/667

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

JP 2003165750 A 10 C03C-027/06

Inventor: TRPKOVSKI P ...

International Patent Class (Main): C03C-027/06 ...

11/3,K/4 (Item 3 from file: 351)

DIALOG(R) File 351:Derwent WPI

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015239038 \*\*Image available\*\*

WPI Acc No: 2003-299964/200329

Related WPI Acc No: 2003-299965; 2003-418633

XRPX Acc No: N03-238702

Monolithic transparent pane for glazing assembly of e.g. window, has protection covering formed with strips of masking material and provided on major portions of one pane surface

Patent Assignee: CARDINAL GLASS IND INC (CARD-N); TRPKOVSKI P (TRPK-I);  
CARDINAL IG CO (CARD-N)

Inventor: TRPKOVSKI P ; SPINDLER R G

Number of Countries: 100 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030041533	A1	20030306	US 2001940970	A	20010828	200329 B
			US 200276211	A	20020212	
JP 2003063845	A	20030305	JP 2001279891	A	20010914	200340
WO 200321069	A1	20030313	WO 2002US27500	A	20020828	200341
WO 200321054	A2	20030313	WO 2002US27403	A	20020827	200341

Priority Applications (No Type Date): US 200276211 A 20020212; US

200194097Q A 20010828

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030041533	A1		26	E04B-001/00	CIP of application US 2001940970
JP 2003063845	A		52	C03C-027/06	
WO 200321069	A1	E		E06B-003/66	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU  
ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

WO 200321054 A2 E E04B-001/74

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU  
ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

Inventor: **TRPKOVSKI P ...**

International Patent Class (Main): **C03C-027/06 ...**

International Patent Class (Additional): **C03C-027/10 ...**

• 11/AA,AN,AZ,TI/1 (Item 1 from file: 348)  
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

01614831

METHODS AND DEVICES FOR MANUFACTURING INSULATING GLASS UNITS  
VERFAHREN UND VORRICHTUNGEN ZUM HERSTELLEN VON ISOLIERVERGLASUNGSEINHEITEN  
PROCEDE ET DISPOSITIFS DE FABRICATION D'UNITES DE VITRAGE ISOLANT  
APPLICATION (CC, No, Date): EP 2002791313 021125; WO 2002US37826 021125  
PRIORITY (CC, No, Date): US 10499 011203

11/AA,AN,AZ,TI/2 (Item 1 from file: 351)  
DIALOG(R)File 351:(c) 2003 Thomson Derwent. All rts. reserv.

015554410

WPI Acc No: 2003-616565/

Fabrication of insulating glass assembly, involves shielding portion of first face of second pane, shielding portion of second face of first pane, and applying deposit forming material to portion of periphery of first pane  
Local Applications (No Type Date): US 200110499 A 20011203; JP 2002147841 A 20020522; WO 2002US37826 A 20021125  
Priority Applications (No Type Date): US 200110499 A 20011203

11/AA,AN,AZ,TI/3 (Item 2 from file: 351)  
DIALOG(R)File 351:(c) 2003 Thomson Derwent. All rts. reserv.

015417947

WPI Acc No: 2003-480087/

Connector key for use in windows and doors to join ends of tubular spacers has transverse channels in which bands of sealant are formed by sealant injected into left and right through holes  
Local Applications (No Type Date): US 2001961622 A 20010924; WO 2002US29947 A 20020920; JP 2001391721 A 20011225  
Priority Applications (No Type Date): US 2001961622 A 20010924

11/AA,AN,AZ,TI/4 (Item 3 from file: 351)  
DIALOG(R)File 351:(c) 2003 Thomson Derwent. All rts. reserv.

015239038

WPI Acc No: 2003-299964/

Monolithic transparent pane for glazing assembly of e.g. window, has protection covering formed with strips of masking material and provided on major portions of one pane surface  
Local Applications (No Type Date): US 2001940970 A 20010828; US 200276211 A 20020212; JP 2001279891 A 20010914; WO 2002US27500 A 20020828; WO 2002US27403 A 20020827  
Priority Applications (No Type Date): US 200276211 A 20020212; US 2001940970 A 20010828

11/AA,AN,AZ,TI/5 (Item 4 from file: 351)  
DIALOG(R)File 351:(c) 2003 Thomson Derwent. All rts. reserv.

015217332

WPI Acc No: 2003-278245/

Servicing of insulating glass unit with spaced-apart panes, where internal space has gaseous interior at different pressure to ambient, comprises forming a hole through one pane and flowing gas through hole to reduce pressure differential  
Local Applications (No Type Date): WO 2002US19585 A 20020620; US 2001299862 P 20010621; US 2002118853 A 20020409  
Priority Applications (No Type Date): US 2002118853 A 20020409; US

11/AA,AN,AZ,TI/6 (Item 5 from file: 351)  
DIALOG(R)File 351:(c) 2003 Thomson Derwent. All rts. reserv.

013881905

WPI Acc No: 2001-366117/

Seal failure detection method for manufacturing insulated glass unit of windows, doors, involves measuring surface profile after increasing pressure between panes held in pressed condition

Local Applications (No Type Date): US 97957532 A 19971024; US 99286349 A 19990405; US 99441687 A 19991116; WO 2000US42214 A 20001116; AU 200134395 A 20001116; WO 2000US42214 A 20001116; NO 20022385 A 20020516; EP 2000991745 A 20001116; WO 2000US42214 A 20001116; WO 2000US42214 A 20001116; JP 2001538682 A 20001116

Priority Applications (No Type Date): US 99441687 A 19991116; US 97957532 A 19971024; US 99286349 A 19990405

11/AA,AN,AZ,TI/7 (Item 6 from file: 351)

DIALOG(R)File 351:(c) 2003 Thomson Derwent. All rts. reserv.

012520617

WPI Acc No: 1999-326723/

Filling double glazing panel with gas

Local Applications (No Type Date): WO 98US22437 A 19981022; US 97957532 A 19971024; EP 98953915 A 19981022; WO 98US22437 A 19981022; US 97957532 A 19971024; US 99286349 A 19990405; WO 98US22437 A 19981022; JP 2000518180 A 19981022; WO 98US22437 A 19981022; JP 2000518180 A 19981022

Priority Applications (No Type Date): US 97957532 A 19971024; US 99286349 A 19990405

11/AA,AN,AZ,TI/8 (Item 1 from file: 399)

DIALOG(R)File 399:(c) 2003 American Chemical Society. All rts. reserv.

138229368 CA: 138(15)229368s

Laser-beam apparatus for on-line etching of indicia on planar substrates  
APPLICATION: US 84113 (20020225) \*US PV322558 (20010912)

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?show files;ds
File 347:JAPIO Oct 1976-2003/May(Updated 030902)
(c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200362
(c) 2003 Thomson Derwent

Set      Items    Description
S1      1154926   WINDOW? OR GLASS OR VITREOUS OR CRYSTAL OR FUSED() SILICATE?
          ? OR (TRANSPARENT OR TRANSLUCENT OR TRANS()) (PARENT OR LUCENT)
          OR CLEAR OR SEE() THROUGH OR TRANSPICUOUS OR LUCID OR SEMITRAN-
          SPARENT ) () PANEL
S2      836560    (MULTIPLE OR TWO OR 2 OR SECOND OR DUPLICATE? ? OR DOUBLE?
          ? OR TWOFOLD OR DUAL OR ITERATED OR PLURAL OR PAIR OR TWIN OR
          TWINNED) (3W) (GLAZE??? OR PANE? ? OR GLASS) OR INSULAT???
S3      1860557   COATING? ? OR SEALANT? ? OR ADHESIVE? ? OR GLUE? ? OR BOND-
          ??? OR CEMENT?? OR MASTIC OR EPOXY
S4      4139954   SPRAY??? OR JET OR JETTED OR SPREAD??? OR ATOMIZ??? OR ATO-
          MIS??? OR MIST??? OR APPLY OR APPLI? OR DISPERS??? OR FILM OR
          SQUIRT? ? OR NOZZLE
S5      3158165   EDGES OR PERIPHERY OR RIM OR RIMS OR BORDER? ? OR PERIMETER
          OR END OR ENDS
S6      729291    SIMULTANEOUS?? OR AT()ONCE OR CONCURRENT? OR SAME() TIME
S7      53155     S1(5N)S2
S8      360658   S3(10N)S4
S9      13025    S8(10N)S5
S10     83       S9(5N)S6
S11     2478    S9(5N) (SEPARATE?? OR (ONE OR 1)(3W) (TIME OR ONE OR 1))
S12     20       S7(S) (S10 OR S11)
S13     91129    IC=(E06B-007? OR B05D-005? OR B32B-017? OR B32B-031? OR C0-
          3C-027?)
S14     2       S12 AND S13
S15     9       S7(10N) (S10 OR S11)
S16     10      S14 OR S15
S17     10      IDPAT (sorted in duplicate/non-duplicate order)
S18     10      IDPAT (primary/non-duplicate records only)

```

18/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014585189 \*\*Image available\*\*

WPI Acc No: 2002-405893/200244

XRPX Acc No: N02-318728

Double glazed security \*window\* unit comprising \*two\* sheets of \*glass\*  
\*separated\* by edge spacers and polyurethane \*sealant\* to create an  
insulating cavity having security \*film\* fixed to the inner glass  
surfaces and anchored round the \*edges\*

Patent Assignee: ADVANTAGE SECURITY INC (ADVA-N)

Inventor: LAMPARSKI V; MASSE C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2323939	A1	20020420	CA 2323939	A	20001020	200244 B

Priority Applications (No Type Date): CA 2323939 A 20001020

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CA 2323939	A1	E	5 E06B-003/66	

Double glazed security \*window\* unit comprising \*two\* sheets of \*glass\*  
\*separated\* by edge spacers and polyurethane \*sealant\* to create an  
insulating cavity having security \*film\* fixed to the inner glass  
surfaces and anchored round the \*edges\*

18/3,K/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

010441686 \*\*Image available\*\*

WPI Acc No: 1995-343005/199544

XRAM Acc No: C95-150900

Triplex glass prodn. - by glass packet assembly by fitting gauge on first  
glass to determine gap between glass sheets

Patent Assignee: VOROBEV A A (VORO-I)

Inventor: VOROBEV A A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RU 2031873	C1	19950327	RU 9411589	A	19940404	199544 B

Priority Applications (No Type Date): RU 9411589 A 19940404

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
RU 2031873	C1	6	C03C-027/12	

...Abstract (Basic): the gauges on the first glass sheet to determine the  
gap between the sheets, the \*second\* \*glass\* sheet is then fitted  
forming the glass packet and the \*ends\* of the packet are \*glued\* by an  
\*adhesive\* \*film\*. The gauges are removed \*simultaneously\* from the  
glass packet cavity and the tap is fixed by external supports. The  
glass...

International Patent Class (Main): \*C03C-027/12\*

18/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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001597921

WPI Acc No: 1976-32326X/197618

Applying adhesive to the edges of glass panes - used for insulation,  
where machine coats two edges simultaneously

Patent Assignee: SAINT-GOBAIN IND SA (COMP )

Number of Countries: 018 Number of Patents: 019

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 2544301	A	19760422				197618	B
BE 834353	A	19760409				197618	
NL 7511854	A	19760413				197618	
SE 7511283	A	19760510				197622	
NO 7503420	A	19760510				197623	
FI 7502799	A	19760531				197626	
DK 7504546	A	19760614				197628	
JP 51064521	A	19760604				197629	
FR 2287278	A	19760611				197630	
PT 64356	A	19760805				197641	
BR 7506600	A	19760817				197642	
ZA 7506412	A	19760802				197644	
AT 7507723	A	19770215				197709	
GB 1500416	A	19780208				197806	
CH 605445	A	19780929				197841	
US 4145237	A	19790320				197914	
CA 1058496	A	19790717				197932	
IT 1044667	B	19800421				198026	
DE 2544301	B	19810813				198134	

Priority Applications (No Type Date): FR 7434156 A 19741010

...Abstract (Basic): Process for the simultaneous sealing of \*two\* edges of a \*pane\* of \*insulating\* \*glass\* between two sealant nozzles, the novelty being that the nozzles are stationary and directed towards...

...edges of the pane which travels parallel with and past the nozzles, and the sealing \*adhesive\* is \*simultaneously\* \*applied\* on both sides from \*one\* \*end\* of the edge to the other end. The pref. machine consists of a frame fitted...

...International Patent Class (Additional): \*C03C-027/12\*

18/3,K/6 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

04246557 \*\*Image available\*\*  
INSTALLATION STRUCTURE OF LAMINATED GLASS

PUB. NO.: 05-238257 [JP 5238257 A]

PUBLISHED: September 17, 1993 (19930917)

INVENTOR(s): KUMADA MASATAKA

NOJIRI NAOYA

SHIOKAWA MAKOTO

APPLICANT(s): HONDA MOTOR CO LTD [000532] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 04-075452 [JP 9275452]

FILED: February 26, 1992 (19920226)

JOURNAL: Section: M, Section No. 1531, Vol. 17, No. 694, Pg. 164, December 17, 1993 (19931217)

#### ABSTRACT

... the periphery of an intermediate film 3, and the intermediate film 3 is nipped by \*two\* pieces of \*glass\* plates 2 and 2 each of which is \*applied\* with the black ceramic \*coating\* 5 on \*one\* surface of the \*periphery\*, and a joint glass \*1\* is assembled, and the joint glass 1 is installed on a car body 7 by...

18/AZ, TI/1 (Item 1 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

014585189

Double glazed security \*window\* unit comprising \*two\* sheets of \*glass\* \*separated\* by edge spacers and polyurethane \*sealant\* to create an insulating cavity having security \*film\* fixed to the inner glass surfaces and anchored round the \*edges\*

18/AZ, TI/2 (Item 2 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

010441686

Triplex glass prodn. - by glass packet assembly by fitting gauge on first glass to determine gap between glass sheets

18/AZ, TI/3 (Item 3 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

007019122

Forming glass coating film on semiconductor wafer - involves forming glass coating film by coating liq. glass, removing glass selectively using etching soln. and heating

18/AZ, TI/4 (Item 4 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

001597921

Applying adhesive to the edges of glass panes - used for insulation, where machine coats two edges simultaneously

18/AZ, TI/5 (Item 5 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

04438700

RADIATION IMAGE CONVERSION PANEL

18/AZ, TI/6 (Item 6 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

04246557

INSTALLATION STRUCTURE OF LAMINATED GLASS

18/AZ, TI/7 (Item 7 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

04173301

PRODUCING METHOD FOR LIQUID CRYSTAL PANEL

18/AZ, TI/8 (Item 8 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

03432984

SPARK PLUG

18/AZ, TI/9 (Item 9 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

02458753

CATHODE STRUCTURE IN DIAPHRAGM TYPE OXYGEN MEASURING ELECTRODE

18/AZ, TI/10 (Item 10 from file: 347)

DIALOG(R)File 347: (c) 2003 JPO & JAPIO. All rts. reserv.

02388710

ULTRASONIC WAVE DELAY LINE

```

?show files;ds
File 179:Architecture DB 1987-2003/Jul
    (c) 2003 Royal Inst. of Brit. Architects
File 35:Dissertation Abs Online 1861-2003/Sep
    (c) 2003 ProQuest Info&Learning
File 65:Inside Conferences 1993-2003/Oct W1
    (c) 2003 BLDSC all rts. reserv.
File 8:Ei Compendex(R) 1970-2003/Sep W4
    (c) 2003 Elsevier Eng. Info. Inc.
File 96:FLUIDEX 1972-2003/Sep
    (c) 2003 Elsevier Science Ltd.
File 118:ICONDA-Intl Construction 1976-2003/Sep
    (c) 2003 Fraunhofer-IRB
File 94:JICST-EPlus 1985-2003/Sep W4
    (c) 2003 Japan Science and Tech Corp(JST)
File 6:NTIS 1964-2003/Oct W1
    (c) 2003 NTIS, Intl Cpyrht All Rights Res
File 144:Pascal 1973-2003/Sep W4
    (c) 2003 INIST/CNRS
File 323:RAPRA Rubber & Plastics 1972-2003/Sep
    (c) 2003 RAPRA Technology Ltd
File 34:SciSearch(R) Cited Ref Sci 1990-2003/Sep W4
    (c) 2003 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
    (c) 1998 Inst for Sci Info
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Aug
    (c) 2003 The HW Wilson Co.
File 399:CA SEARCH(R) 1967-2003/UD=13914
    (c) 2003 American Chemical Society
File 31:World Surface Coatings Abs 1976-2003/Sep
    (c) 2003 Paint Research Assn.
File 111:TGG Natl.Newspaper Index(SM) 1979-2003/Oct 02
    (c) 2003 The Gale Group

```

Set	Items	Description
S1	3204336	WINDOW? OR GLASS OR VITREOUS OR CRYSTAL OR FUSED()SILICATE? ? OR (TRANSPARENT OR TRANSLUCENT OR TRANS() (PARENT OR LUCENT) OR CLEAR OR SEE()THROUGH OR TRANSPICUOUS OR LUCID OR SEMITRANSPAREN T ) ()PANEL
S2	521424	(MULTIPLE OR TWO OR 2 OR SECOND OR DUPLICATE? ? OR DOUBLE? ? OR TWOFOLD OR DUAL OR ITERATED OR PLURAL OR PAIR OR TWIN OR TWINNED) (3W) (GLAZE??? OR PANE? ? OR GLASS) OR INSULAT???
S3	3075789	COATING? ? OR SEALANT? ? OR ADHESIVE? ? OR GLUE? ? OR BOND- ??? OR CEMENT?? OR MASTIC OR EPOXY
S4	8875730	SPRAY??? OR JET OR JETTED OR SPREAD??? OR ATOMIZ??? OR ATO- MIS??? OR MIST??? OR APPLY OR APPLI? OR DISPERS??? OR FILM OR SQUIRT? ? OR NOZZLE
S5	1186302	EDGES OR PERIPHERY OR RIM OR RIMS OR BORDER? ? OR PERIMETER OR END OR ENDS
S6	853946	SIMULTANEOUS?? OR AT()ONCE OR CONCURRENT? OR SAME()TIME
S7	13100166	SEPARATE?? OR (ONE OR 1) (3W) (TIME OR ONE OR 1)
S8	44143	S1(5N)S2
S9	331497	S3(10N)S4
S10	1709	S9(10N)S5
S11	5	S10(5N)S6
S12	111	S10(5N)S7
S13	0	S8(S) (S11 OR S12)
S14	1	S1 AND S11
S15	0	S8(S)S12
S16	16	(S1 OR S2) (S)S12
S17	17	S14 OR S16
S18	17	S17 NOT PY>2001
S19	17	S18 NOT PD=20011204:20031130
S20	15	RD (unique items)

20/3,K/9 . (Item 2 from file: 323)  
DIALOG(R)File 323:RAPRA Rubber & Plastics  
(c) 2003 RAPRA Technology Ltd. All rts. reserv.

00729215

**TITLE: RALLIKOL 750**

CORPORATE SOURCE: Astor Ltd.

SOURCE: West Drayton, 1998, pp.2. 12 ins. 30/4/99.

JOURNAL ANNOUNCEMENT: 199907 RAPRA UPDATE: 199912

DOCUMENT TYPE: Trade Literature

LANGUAGE: English

SUBFILE: (R) RAPRA

ABSTRACT: Details are given of Rallikol 750, a \*one\*-part polysulphide \*sealant\* for use in building \*applications\* such as sealing \*perimeter\* seals to doors and \*windows\*, masonry joints, and glazing. Since the product cures on exposure to moisture, and takes between...

20/3,K/11 (Item 4 from file: 323)

DIALOG(R)File 323:RAPRA Rubber & Plastics

(c) 2003 RAPRA Technology Ltd. All rts. reserv.

00435423

**TITLE: 5090 PAINTABLE, OVERPAINTABLE SILICONE SEALANT**

CORPORATE SOURCE: GE SILICONES UNITED KINGDOM

SOURCE: Bolton, 1991, pp.2. 12ins. 2/10/91. 45C-63Bu-6A2

JOURNAL ANNOUNCEMENT: 199202 RAPRA UPDATE: 199201

DOCUMENT TYPE: Trade Literature

LANGUAGE: English

SUBFILE: (R) RAPRA; (A) Adhesives

ABSTRACT: 5090 from GE Silicones is an overpaintable silicone \*sealant\*. It is a \*one\*-part, gun-\*applied\* \*sealant\* that can be used for \*perimeter\* pointing around \*window\* and door frames and low movement expansion joints. Further applications and product characteristics are briefly...

20/3,K/12 (Item 5 from file: 323)

DIALOG(R)File 323:RAPRA Rubber & Plastics

(c) 2003 RAPRA Technology Ltd. All rts. reserv.

00373649

**TITLE: HANSIL 580 ONE-PART OIL-BASED MASTIC. PRODUCT DATA**

CORPORATE SOURCE: DOW CORNING HANSIL LTD.

SOURCE: Byfleet, 1989, pp.4. 12ins. 27/2/89. 6A2

JOURNAL ANNOUNCEMENT: 198906 RAPRA UPDATE: 198910

DOCUMENT TYPE: Trade Literature

LANGUAGE: English

SUBFILE: (R) RAPRA; (A) Adhesives

...ABSTRACT: design and preparation, main uses and benefits are presented for Hansil 580. It is a \*one\*-part, high-performance oil-based \*mastic\* for use in external \*applications\* where joint movement is low, e.g. \*perimeter\* pointing of metal and timber door and \*window\* frames, and repairs to roofs and flashings.

20/3,K/14 (Item 1 from file: 31)

DIALOG(R)File 31:World Surface Coatings Abs

(c) 2003 Paint Research Assn. All rts. reserv.

00400187 WSCA ABSTRACT NUMBER: 86-07855 WSCA ID NUMBER: 227855

Australian breakthrough in glass coating technology.

ANON  
Mfg. Chem. 1986, Vol 57 No 5, 43.

1986

JOURNAL ANNOUNCEMENT: 8610 WSCA UPDATE CODE: 8609

DOCUMENT TYPE: Journal LANGUAGE: English

SECTION (CODE,HEADING): 63 Paints, etc. for other Specific Uses

ABSTRACT: A structural \*glass\* \*coating\* process has been developed, involving a \*one\*-component formulation \*applied\* and cured at ambient temperatures. The \*coating\* is \*applied\* by high-speed electrostatic \*spraying\* at high production rates at the cold \*end\* of the bottle-making operation. It renders the \*glass\* highly resistant to breaking.

20/3,K/15 (Item 2 from file: 31)

DIALOG(R)File 31:World Surface Coatings Abs  
(c) 2003 Paint Research Assn. All rts. reserv.

00300442 WSCA ABSTRACT NUMBER: 76-00442 WSCA ID NUMBER: 20442

**Electrostatic coating device.**

PATENT ASSIGNEE: GEMA AG

Ger. Pat. Rept. 1975, Vol W No 34, Gp J, 1.

PATENT (NUMBER,DATE): DE 2030388

JOURNAL ANNOUNCEMENT: 7601 WSCA UPDATE CODE: 7600

DOCUMENT TYPE: Patent LANGUAGE: English

SECTION (CODE,HEADING): 50 Pretreatment and Application

ABSTRACT: The device comprises a tube of an \*insulating\* material down which a mixture of propellant gas and \*coating\* powder flows towards an \*atomiser\* located at \*one\* \*end\* of the tube. Electrodes at different potential are arranged circumferentially around the inside of the...

20/AA,AN,TI/1 (Item 1 from file: 8)  
DIALOG(R)File 8:(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

00200794  
E.I. Monthly No: EI72X006346  
Title: Atraumatic electrodes for cardiac monitoring.

20/AA,AN,TI/2 (Item 1 from file: 94)  
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts.  
reserv.

04727190 JICST ACCESSION NUMBER: 01A0216609  
Microfabricated Chips for Capillary Electrophoresis on Quartz Glass  
Substrates.

20/AA,AN,TI/3 (Item 2 from file: 94)  
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts.  
reserv.

04427759 JICST ACCESSION NUMBER: 99A0922673  
Micro-Fabrication of Quartz Microchips for Capillary Electrophoresis and  
their Analytical Performances.

20/AA,AN,TI/4 (Item 3 from file: 94)  
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts.  
reserv.

03546719 JICST ACCESSION NUMBER: 98A0584724  
Micro-fabrication and analytical performances of quartz and glass  
microchips for electrophoresis.

20/AA,AN,TI/5 (Item 4 from file: 94)  
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts.  
reserv.

03433413 JICST ACCESSION NUMBER: 97A0862615  
Semiconductor device.

20/AA,AN,TI/6 (Item 1 from file: 6)  
DIALOG(R)File 6:(c) 2003 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

NTIS Accession Number: AD-756 214/XAB  
Plastics Fabrication by Ultraviolet, Infrared, Induction, Dielectric and  
Microwave Radiation Methods  
(State-of-the-Art rept. 1960-1971)

20/AA,AN,TI/7 (Item 1 from file: 144)  
DIALOG(R)File 144:(c) 2003 INIST/CNRS. All rts. reserv.

13115619 PASCAL No.: 97-0097765  
Torsional stress relaxation in tight-buffered optical fibers

20/AA,AN,TI/8 (Item 1 from file: 323)  
DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

00817372  
TITLE: COATED OPTICAL FIBER AND METHOD OF MAKING THE SAME

APPLICATION NUMBER: US 341874 (US 341874-1999)  
PRIORITY NUMBER: JP 977772

20/AA,AN, TI/9 (Item 2 from file: 323)  
DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

00729215  
TITLE: RALLIKOL 750

20/AA,AN, TI/10 (Item 3 from file: 323)  
DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

00513293  
TITLE: PREDICTED INTERFACIAL SHEARING STRESS IN DUAL-COATED OPTICAL FIBRE  
SPECIMENS SUBJECTED TO TENSION. I. THE CASE OF A CYLINDRICAL DOUBLE LAP  
SHEAR JOINT

20/AA,AN, TI/11 (Item 4 from file: 323)  
DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

00435423  
TITLE: 5090 PAINTABLE, OVERPAINTABLE SILICONE SEALANT

20/AA,AN, TI/12 (Item 5 from file: 323)  
DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

00373649  
TITLE: HANSIL 580 ONE-PART OIL-BASED MASTIC. PRODUCT DATA

20/AA,AN, TI/13 (Item 6 from file: 323)  
DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

00313651  
TITLE: COATING HELPS GLASS BOTTLES FIGHT BACK

20/AA,AN, TI/14 (Item 1 from file: 31)  
DIALOG(R)File 31:(c) 2003 Paint Research Assn. All rts. reserv.

00400187 WSCA ID NUMBER: 227855  
Australian breakthrough in glass coating technology.

20/AA,AN, TI/15 (Item 2 from file: 31)  
DIALOG(R)File 31:(c) 2003 Paint Research Assn. All rts. reserv.

00300442 WSCA ID NUMBER: 20442  
Electrostatic coating device.

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?show files;ds
File 9:Business & Industry(R) Jul/1994-2003/Oct 03
    (c) 2003 Resp. DB Svcs.
File 990:NewsRoom Current 2003/Oct 06
    (c) 2003 The Dialog Corp.
File 47:Gale Group Magazine DB(TM) 1959-2003/Oct 03
    (c) 2003 The Gale group
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Oct 06
    (c) 2003 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2003/Oct 03
    (c) 2003 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2003/Oct 06
    (c) 2003 The Gale Group
File 624:McGraw-Hill Publications 1985-2003/Oct 03
    (c) 2003 McGraw-Hill Co. Inc
File 369:New Scientist 1994-2003/Sep W4
    (c) 2003 Reed Business Information Ltd.
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    (c) 2003 ProQuest Info&Learning
File 484:Periodical Abs Plustext 1986-2003/Sep W4
    (c) 2003 ProQuest
File 141:Readers Guide 1983-2003/Aug
    (c) 2003 The HW Wilson Co
File 370:Science 1996-1999/Jul W3
    (c) 1999 AAAS
File 95:TEME-Technology & Management 1989-2003/Sep W3
    (c) 2003 FIZ TECHNIK

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Set	Items	Description
S1	1979537	WINDOW? OR GLASS OR VITREOUS OR CRYSTAL OR FUSED()SILICATE? ? OR (TRANSPARENT OR TRANSLUCENT OR TRANS() (PARENT OR LUCENT) OR CLEAR OR SEE()THROUGH OR TRANSPICUOUS OR LUCID OR SEMITRA- NSPARENT )()PANEL
S2	203467	(MULTIPLE OR TWO OR 2 OR SECOND OR DUPLICATE? ? OR DOUBLE? ? OR TWOFOLD OR DUAL OR ITERATED OR PLURAL OR PAIR OR TWIN OR TWINNED) (3W) (GLAZE??? OR PANE? ? OR GLASS) OR INSULAT???
S3	1557796	COATING? ? OR SEALANT? ? OR ADHESIVE? ? OR GLUE? ? OR BOND- ??? OR CEMENT?? OR MASTIC OR EPOXY
S4	7157629	SPRAY??? OR JET OR JETTED OR SPREAD??? OR ATOMIZ??? OR ATO- MIS??? OR MIST??? OR APPLY OR APPLI? OR DISPERS??? OR FILM OR SQUIRT? ? OR NOZZLE
S5	6597347	EDGES OR PERIPHERY OR RIM OR RIMS OR BORDER? ? OR PERIMETER OR END OR ENDS
S6	1530388	SIMULTANEOUS?? OR AT()ONCE OR CONCURRENT? OR SAME()TIME .
S7	23664	S1(5N)S2
S8	113487	S3(10N)S4
S9	2846	S8(10N)S5
S10	10	S9(10N)S6
S11	328	S9(10N) (SEPARATE?? OR (ONE OR 1) (3W) (TIME OR ONE OR 1))
S12	0	S7(S) (S10 OR S11)
S13	0	(S1 OR S2)(S)S10
S14	2	(S1 OR S2) AND S10
S15	0	S7(S)S11
S16	8	S7 AND S11
S17	10	S14 OR S16
S18	10	S17 NOT PY>2001
S19	10	S18 NOT PD=20011204:20031130
S20	10	RD (unique items)

• 20/3,K/2 . (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

13456557 SUPPLIER NUMBER: 74942328 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Bond Performance.**

Rhodes, Kyle  
Adhesives Age, 44, 4, 22  
April, 2001  
ISSN: 0001-821X LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 2727 LINE COUNT: 00265

... with a wide range of refractive indices. The UV instant curing is well suited to \*doublet\* assembly.

\*Glass\*-to-metal or plastic-to-metal bonding in applications such as lens, prism, mirror mounting...requirements. In other words, the cure is only successful if the desired properties of the \*end\*-product are achieved with ease, consistency and cost effectiveness.

Many \*applications\* require only lower intensity curing lamps.  
\*Bonding\* between surfaces, \*one\* of which allows light to pass, is \*one\* of the applications where resin may be effectively cured with lower intensity, lower cost lamps...

20/3,K/3 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

11430808 SUPPLIER NUMBER: 56013725 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Powder coatings. (Educational Series) (part 4)**  
Wicks, Zeno W., Jr.; Jones, Frank N.; Pappas, S. Peter  
Journal of Coatings Technology, 71, 895, 67(7)  
August, 1999  
ISSN: 0361-8773 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 4531 LINE COUNT: 00371

... cleanup time, it is still only economically feasible to make a reasonably long run of \*one\* color and then shift over to another color. Many important \*applications\* of powder \*coatings\*, such as fire extinguisher cases, are single color \*end\* uses, or are applications, such as metal furniture, for which runs of single colors are...34, 160 (1998); Blatter, K., MacFadden, B., Strid, M., and Niggemann, F., Coat. World, 3 (\*2\*), 26 (1998).

(26) \*Glass\*, T. and Depoy, J., Society Manufacturing Engineers Finishing Conf., FC91-384, Cincinnati, OH, September 1991...

20/3,K/4 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

10946772 SUPPLIER NUMBER: 54360069 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Reengineering One-Component Epoxies: New Technologies Increase Value and Applications.**

Dubs, Ron  
Adhesives Age, 42, 2, 10(1)  
Feb, 1999  
ISSN: 0001-821X LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1559 LINE COUNT: 00135

... latest one-part electronics adhesives can effectively bond numerous electronic-grade substrates (including conductors, semiconductors, \*insulators\*, \*glass\*, metals, thermoplastics and reinforced composites). Resulting materials can stand up to ever-increasing operating temperatures

...

...only by engineering vision and formulating realities.

#### STRUCTURAL ADHESIVES

Structural \*adhesives\* are also trending to \*one\*-component materials. Structural \*adhesives\* can loosely be defined as materials that are \*applied\* as an \*adhesive\*, and after curing become integrated into the structure of the \*end\* product. Cured structural adhesives are invariably critical to a product's successful operation. The use...

20/3,K/8 (Item 7 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

03881321 SUPPLIER NUMBER: 07443931 (USE FORMAT 7 OR 9 FOR FULL TEXT)

New glass technologies solve site challenges. (curved-glass structure: 17

State Street, New York City)

Gregerson, John

Building Design & Construction, v30, n3, p74(4)

March, 1989

ISSN: 0007-3407 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 2304 LINE COUNT: 00175

... Although use of four-sided silicone glazing is becoming more widespread, 17 State St. is \*one\* of the first high rises in Manhattan to feature it. \*Applied\* to all four \*edges\* of the curtain wall panels, the \*sealant\* eliminated the need for exterior metal stops or flanges.

"Because the glass is held in..."

...curved facade consists of prefabricated, floor-to-floor, pre-glazed panels with 1/4-in. \*insulating\* \*glass\*. Manufactured by Cardinal IG, the glass features a light-blue reflective coating. Inboard spandrel glass...

20/AA,AN,TI/1 (Item 1 from file: 636)  
DIALOG(R)File 636:(c) 2003 The Gale Group. All rts. reserv.

03480512 Supplier Number: 47175432  
**EMPA Successfully Fire Tests CFRP Strengthening Plates on Concrete Beam**

20/AA,AN,TI/2 (Item 1 from file: 148)  
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

13456557 SUPPLIER NUMBER: 74942328  
**Bond Performance.**

20/AA,AN,TI/3 (Item 2 from file: 148)  
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

11430808 SUPPLIER NUMBER: 56013725  
**Powder coatings. (Educational Series). (part 4)**

20/AA,AN,TI/4 (Item 3 from file: 148)  
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

10946772 SUPPLIER NUMBER: 54360069  
**Reengineering One-Component Epoxies: New Technologies Increase Value and Applications.**

20/AA,AN,TI/5 (Item 4 from file: 148)  
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

08124425 SUPPLIER NUMBER: 17389671  
**Plastics technology: manufacturing handbook & buyers' guide 1995/96. (Buyers Guide)**

20/AA,AN,TI/6 (Item 5 from file: 148)  
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

06213343 SUPPLIER NUMBER: 13793905  
**CD hybrid hums along. (compact discs packaging)**

20/AA,AN,TI/7 (Item 6 from file: 148)  
DIALOG(R)File 148;(c)2003 The Gale Group. All rts. reserv.

05185658 SUPPLIER NUMBER: 10735482  
**Bound to succeed. (innovations in bookbinding technology)**

20/AA,AN,TI/8 (Item 7 from file: 148)  
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

03881321 SUPPLIER NUMBER: 07443931  
**New glass technologies solve site challenges. (curved-glass structure: 17 State Street, New York City)**

20/AA,AN,TI/9 (Item 8 from file: 148)  
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

03328815 SUPPLIER NUMBER: 06245453  
**Paint, sundries, wall coverings, glass. (1988 Buyers' Guide) (buyers guide)**

20/AA,AN, TI/10 (Item 9 from file: 148)  
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

02488782 SUPPLIER NUMBER: 04044386  
Paint, sundries, wall coverings, glass. ("Who Makes It" Buyers' Guide)